

FILE COPY

PAID

MAR 29 2023

Ck# 10421

Rec't#

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8742-3</u> Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Turner Co. New Era (news) 297-4419</u> <u>Sioux Falls Argus Leader</u> (office use only)

Application for Permit to Appropriate Water for Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____

(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

Adding an additional well.

1. Name to Appear on Irrigation Permit Larry Schmidt

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 44819 277th St. Parker SD 57053
(Address) (City) (State) (Zip Code)

Phone 605 642-3966 Mobile 605-351-4955 Email larry.schmidt@gmail.com

2. Amount of water claimed 1.78 *CFS or 600 **GPM ***AF Total Acreage 160
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater Aquifer Parker Centerville

4. Location of point of diversion 1 well in SW 1/4 SW 1/4 Sec. 13 - T99N - R54W
(example - 3 wells in SW 1/4 NE 1/4 section 12 - T104N - R53W)

County _____

5. County or counties where water will be used Turner

6. Annual period during which water is to be used April 1 - Oct. 31

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>SW 1/4 SW 1/4 Sec. 13 - T99N - R54W</u>	<u>160</u>		

8. Give a description of the project. (Attach sheet if more space is needed)

Drilling an additional well to supplement existing pivot irrigation system.

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I, Larry Schmidt, the applicant, certify under penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

2 miles w of Parker

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable)

☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 1 Have test holes been drilled? ☒ Yes ☐ No Drilled by Thein Well Co
(if yes, please provide copies of logs)

b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

c) Well Depth (required) 71 Depth to Top of Water Bearing Material 52 Depth to Water from Surface _____

d) Distance to nearest domestic well on applicant's property _____ Property owned by others 4,500 FT.

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

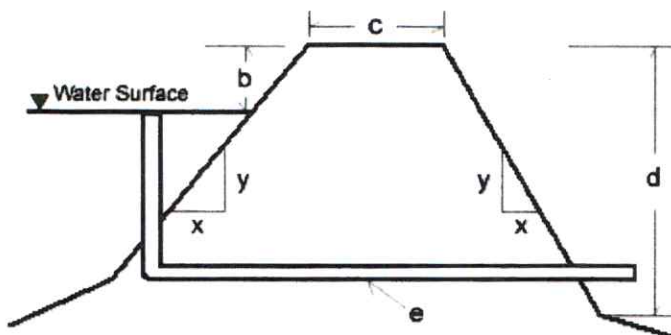
Upstream _____

Downstream _____

h) Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



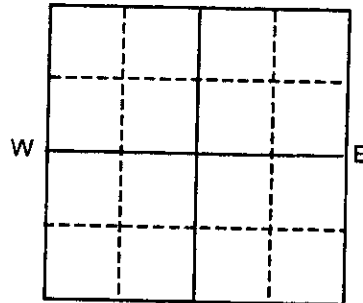
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW ¼ SW ¼ Sec 13 Twp 99 Rg 54

County TURNER

North

Please mark well
location with an "X"

Well Completion Date

NOV 11, 2022

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from (identify source)

PROPOSED USE:

☐ Domestic/Stock Irrigation
 ☐ Municipal Industrial
 ☐ Business Institutional
 ☒ Test holes Monitoring well

METHOD OF DRILLING:

MUD ROTARY

CASING DATA:

If other describe

☐ Steel
 ☐ Plastic
 ☐ Other

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	11	Lb/gal	0.0 Ft	140.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
TREMIE PIPED

SCREEN:

☐ Perforated pipe
 ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes
 ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?

☒ No, Why Not?

Lab to which water

quality sample sent for analysis

TEST HOLE ONLY

Well Owner: RICHARD LEBER

Business Name: LEBER BROS LLC

Address: 27677 452ND AVE

City, State, Zip: PARKER SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	3
CLAY BROWN	3	29
CLAY BLUE	29	52
GRAVEL	52	71
CLAY BLUE	71	118
CHALK GRAY	118	140

STATIC WATER LEVEL

If flowing: closed in pressure _____ FEET

GPM flow _____ PSI

Controlled by ☐ Valve ☐ Reducers ☐ Other _____ Inch pipe

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TH # 4 GPS N 43 23.2220 W 97 10.8770

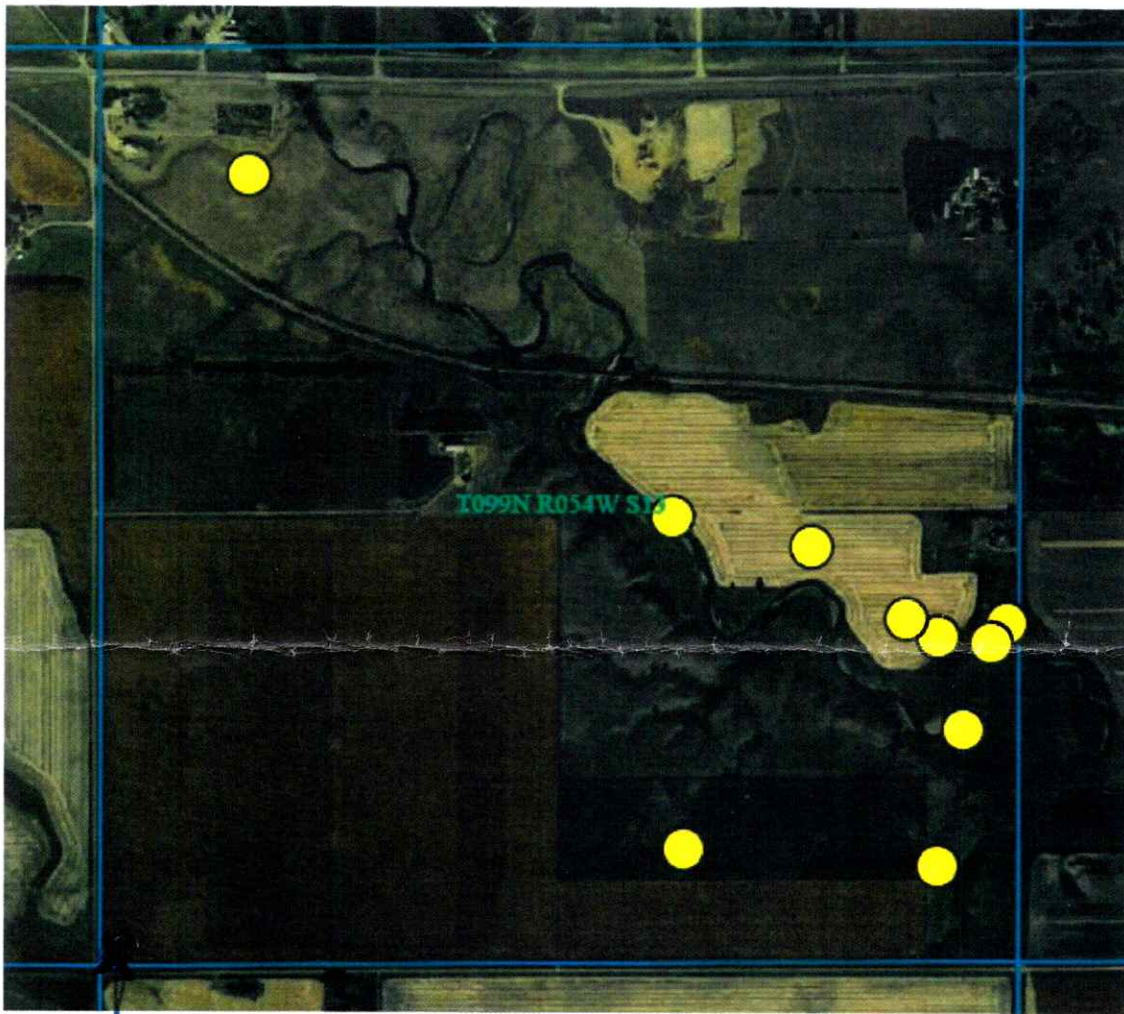
This well was drilled under license # 475 and this report is true and accurate.

Drilling firm: THEIN WELL COMPANY, INCORPORATED

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:



proposed well

7457-3



United States Department of Agriculture
Farm Service Agency

March 21, 2012

PLSS: 13_99N_54W
Farm: 7132

Turner County, SD

1:8,792

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OCT - 9 2012



Wetland Determination Identifiers

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Common Land Units

Non Cropland

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

2008 Ortho-Photography - Not to Scale

Joey D. [Signature]
Turner County FSA